RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: _10/621,741_

Source: _OIPE_

Date Processed by STIC: _8/5/2003_

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY
FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
          http://www.uspto.gov/web/offices/pac/checker

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm> , EFS Submission User Manual - ePAVE)
2. **U.S. Postal Service:** Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. **Hand Carry directly to:**
   U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
              Or
   U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. **Federal Express, United Parcel Service, or other delivery service to:** U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 04/24/2003

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: 10/621,741

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1 ___ Wrapped Nucleics / Wrapped Aminos — The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."

2 ___ Invalid Line Length — The rules require that a line not exceed 72 characters in length. This includes white spaces.

3 ___ Misaligned Amino Numbering — The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.

4 ___ Non-ASCII — The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.

5 ___ Variable Length — Sequence(s) ___ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

6 ___ PatentIn 2.0 "bug" — A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) ___. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.

7 ___ Skipped Sequences (OLD RULES) — Sequence(s) ___ missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i)   SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.

8 ___ Skipped Sequences (NEW RULES) — Sequence(s) ___ missing. If intentional, please insert the following lines for each skipped sequence.
<210> sequence id number
<400> sequence id number
000

9 ___ Use of n's or Xaa's (NEW RULES) — Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa; and which residue n or Xaa represents.

10 ___ Invalid <213> Response — Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence

11 ___ Use of <220> — Sequence(s) ___ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (See 1.823 of Sequence Rules)

12 ___ PatentIn 2.0 "bug" — Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13 ___ Misuse of n — n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.

AMC/MH – Biotechnology Systems Branch – 08/21/2001

OIPE

RAW SEQUENCE LISTING   DATE: 08/05/2003
PATENT APPLICATION: US/10/621,741   TIME: 14:22:32

Input Set : A:\5016 US Saxena 17 Jul 2003.txt
Output Set: N:\CRF4\08052003\J621741.raw

```
      3 <110> APPLICANT: Saxena, Shailendra K.
      5 <120> TITLE OF INVENTION: RIBONUCLEASES AND METHODS OF MAKING THEM
      7 <130> FILE REFERENCE: 5016 US
C-->  9 <140> CURRENT APPLICATION NUMBER: US/10/621,741
C-->  9 <141> CURRENT FILING DATE: 2003-07-17
      9 <160> NUMBER OF SEQ ID NOS: 74
     11 <170> SOFTWARE: PatentIn version 3.1
     13 <210> SEQ ID NO: 1
     14 <211> LENGTH: 114
     15 <212> TYPE: PRT
     16 <213> ORGANISM: Artificial
     18 <220> FEATURE:
     19 <223> OTHER INFORMATION: Recombinantly produced 2325p4 protein occurring naturally in
rana
     20        pipiens eggs and embryos.
     22 <400> SEQUENCE: 1
     24 Lys Pro Lys Glu Asp Arg Glu Trp Glu Lys Phe Lys Thr Lys His Ile
     25 1               5                   10                  15
     28 Thr Ser Gln Ser Val Ala Asp Phe Asn Cys Asn Arg Thr Met Asn Asp
     29             20                  25                  30
     32 Pro Ala Tyr Thr Pro Asp Gly Gln Cys Lys Pro Ile Asn Thr Phe Ile
     33         35                  40                  45
     36 His Ser Thr Thr Gly Pro Val Lys Glu Ile Cys Arg Arg Ala Thr Gly
     37     50                  55                  60
     40 Arg Val Asn Lys Ser Ser Thr Gln Gln Phe Thr Leu Thr Thr Cys Lys
     41 65                  70                  75                  80
     44 Asn Pro Ile Arg Cys Lys Tyr Ser Gln Ser Asn Thr Thr Asn Phe Ile
     45                 85                  90                  95
     48 Cys Ile Thr Cys Arg Asp Asn Tyr Pro Val His Phe Val Lys Thr Gly
     49             100                 105                 110
     52 Lys Cys
     56 <210> SEQ ID NO: 2
     57 <211> LENGTH: 342
     58 <212> TYPE: DNA
     59 <213> ORGANISM: Artificial
     61 <220> FEATURE:
     62 <223> OTHER INFORMATION: 2325p4 DNA occurring naturally in rana pipiens eggs and
embryos.
     64 <400> SEQUENCE: 2
     65 aaaccgaaag aagaccgtga atgggaaaaa ttcaaaacta aacatatcac ttctcagtct    60
     67 gttgctgact tcaactgcaa ccgtactatg aacgacccgg cttacactcc ggacggtcag   120
     69 tgcaaaccga tcaacacttt catccattct actactggtc cggttaaaga aatctgccgt   180
     71 cgtgctactg gtcgtgttaa caaatcttct actcagcagt tcactctgac tacttgcaaa   240
     73 aacccgatcc gttgcaaata ctctcagtct aacactacta acttcatctg catcacttgc   300
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75 cgtgacaact acccggttca tttcgttaaa actggtaaat gc                    342
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Input Set : **A:\5016 US Saxena 17 Jul 2003.txt**
Output Set: **N:\CRF4\08052003\J621741.raw**

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 78 <210> SEQ ID NO: 3
 79 <211> LENGTH: 56
 80 <212> TYPE: DNA
 81 <213> ORGANISM: Artificial
 83 <220> FEATURE:
 84 <223> OTHER INFORMATION: SEQ ID NO:3 Contains XbaI restriction site.
 86 <400> SEQUENCE: 3
 87 taattttgtt taactttaag aaggagatat accatgaaac cgaaagaaga ccgtga        56
 90 <210> SEQ ID NO: 4
 91 <211> LENGTH: 63
 92 <212> TYPE: DNA
 93 <213> ORGANISM: Artificial
 95 <220> FEATURE:
 96 <223> OTHER INFORMATION: SEQ ID NO:4 Complementary to SEQ ID NO:3
 98 <400> SEQUENCE: 4
 99 ttcccattca cggtcttctt tcggtttcat ggtatatctc cttcttaaag ttaaacaaaa   60
101 tta                                                                  63
104 <210> SEQ ID NO: 5
105 <211> LENGTH: 57
106 <212> TYPE: DNA
107 <213> ORGANISM: Artificial
109 <220> FEATURE:
110 <223> OTHER INFORMATION: SEQ ID NO:5
112 <400> SEQUENCE: 5
113 atgggaaaaa ttcaaaacta aacatatcac ttctcagtct gttgctgact tcaactg      57
116 <210> SEQ ID NO: 6
117 <211> LENGTH: 57
118 <212> TYPE: DNA
119 <213> ORGANISM: Artificial
121 <220> FEATURE:
122 <223> OTHER INFORMATION: SEQ ID NO:6 Complementary to SEQ ID NO:5
124 <400> SEQUENCE: 6
125 acggttgcag ttgaagtcag caacagactg agaagtgata tgtttagttt tgaattt      57
128 <210> SEQ ID NO: 7
129 <211> LENGTH: 60
130 <212> TYPE: DNA
131 <213> ORGANISM: Artificial
133 <220> FEATURE:
134 <223> OTHER INFORMATION: SEQ ID NO:7
136 <400> SEQUENCE: 7
137 caaccgtact atgaacgacc cggcttacac tccggacggt cagtgcaaac cgatcaacac   60
140 <210> SEQ ID NO: 8
141 <211> LENGTH: 60
142 <212> TYPE: DNA
143 <213> ORGANISM: Artificial
145 <220> FEATURE:
146 <223> OTHER INFORMATION: SEQ ID NO:8 Complementary to SEQ ID NO:7
148 <400> SEQUENCE: 8
149 gatgaaagtg ttgatcggtt tgcactgacc gtccggagtg taagccgggt cgttcatagt   60
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[Handwritten annotations:] no explanation of source of genetic material. See item 11 on Err Summary sheet

? This does not explain (213) response see item 11 on Err Summary sheet

see item 11

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152 <210> SEQ ID NO: 9
153 <211> LENGTH: 52
154 <212> TYPE: DNA
155 <213> ORGANISM: Artificial
157 <220> FEATURE:
158 <223> OTHER INFORMATION: SEQ ID NO:9
160 <400> SEQUENCE: 9
161 tttcatccat tctactactg gtccggttaa agaaatctgc cgtcgtgcta ct          52
164 <210> SEQ ID NO: 10
165 <211> LENGTH: 52
166 <212> TYPE: DNA
167 <213> ORGANISM: Artificial
169 <220> FEATURE:
170 <223> OTHER INFORMATION: SEQ ID NO:10 Complementary to SEQ ID NO:9
172 <400> SEQUENCE: 10
173 cacgaccagt agcacgacgg cagatttctt taaccggacc agtagtagaa tg          52
176 <210> SEQ ID NO: 11
177 <211> LENGTH: 54
178 <212> TYPE: DNA
179 <213> ORGANISM: Artificial
181 <220> FEATURE:
182 <223> OTHER INFORMATION: SEQ ID NO:11
184 <400> SEQUENCE: 11
185 ggtcgtgtta acaaatcttc tactcagcag ttcactctga ctacttgcaa aaac         54
188 <210> SEQ ID NO: 12
189 <211> LENGTH: 54
190 <212> TYPE: DNA
191 <213> ORGANISM: Artificial
193 <220> FEATURE:
194 <223> OTHER INFORMATION: SEQ ID NO:12 Complementary to SEQ ID NO:11
196 <400> SEQUENCE: 12
197 ggatcgggtt tttgcaagta gtcagagtga actgctgagt agaagatttg ttaa         54
200 <210> SEQ ID NO: 13
201 <211> LENGTH: 57
202 <212> TYPE: DNA
203 <213> ORGANISM: Artificial
205 <220> FEATURE:
206 <223> OTHER INFORMATION: SEQ ID NO:13
208 <400> SEQUENCE: 13
209 ccgatccgtt gcaaatactc tcagtctaac actactaact tcatctgcat cacttgc      57
212 <210> SEQ ID NO: 14
213 <211> LENGTH: 57
214 <212> TYPE: DNA
215 <213> ORGANISM: Artificial
217 <220> FEATURE:
218 <223> OTHER INFORMATION: SEQ ID NO:14 Complementary to SEQ ID NO:13
220 <400> SEQUENCE: 14
221 tgtcacggca agtgatgcag atgaagttag tagtgttaga ctgagagtat ttgcaac      57
224 <210> SEQ ID NO: 15
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Item 11

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225 <211> LENGTH: 60
226 <212> TYPE: DNA
227 <213> ORGANISM: Artificial
229 <220> FEATURE:
230 <223> OTHER INFORMATION: SEQ ID NO:15
232 <400> SEQUENCE: 15
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236 <210> SEQ ID NO: 16
237 <211> LENGTH: 53
238 <212> TYPE: DNA
239 <213> ORGANISM: Artificial
241 <220> FEATURE:
242 <223> OTHER INFORMATION: SEQ ID NO:16 Complementary to SEQ ID NO:15
244 <400> SEQUENCE: 16
245 ccgcgcggat ccctactagc atttaccagt tttaacgaaa tgaaccgggt agt        53
248 <210> SEQ ID NO: 17
249 <211> LENGTH: 114
250 <212> TYPE: PRT
251 <213> ORGANISM: Artificial
253 <220> FEATURE:
254 <223> OTHER INFORMATION: Recombinantly produced 2325p6 protein occurring naturally in
rana
255         pipiens eggs and embryos.
257 <400> SEQUENCE: 17
259 Lys Pro Lys Glu Asp Lys Glu Trp Glu Lys Phe Lys Val Lys His Ile
260 1                   5                   10                  15
263 Thr Ser Gln Ser Val Ala Asp Phe Asn Cys Thr Ser Thr Met Asn Asn
264                     20                  25                  30
267 Pro Asp Phe Thr Pro Asp Gly Gln Cys Lys Pro Ile Asn Thr Phe Ile
268             35                  40                  45
271 His Ser Asn Thr Gly Pro Val Lys Glu Ile Cys Arg Arg Ala Ser Gly
272         50                  55                  60
275 Arg Val Asn Lys Ser Ser Thr Gln Gln Phe Pro Leu Thr Thr Cys Lys
276 65                  70                  75                  80
279 Asn Pro Lys Arg Cys Lys Tyr Ser Gln Ser Asn Glu Thr Asn Tyr Ile
280                 85                  90                  95
283 Cys Ile Thr Cys Arg Asp Asn Tyr Pro Val His Phe Val Lys Ile Gly
284                 100                 105                 110
287 Lys Cys
291 <210> SEQ ID NO: 18
292 <211> LENGTH: 342
293 <212> TYPE: DNA
294 <213> ORGANISM: Artificial
296 <220> FEATURE:
297 <223> OTHER INFORMATION: 2325p6 DNA occurring naturally in rana pipiens eggs and
embryos.
299 <400> SEQUENCE: 18
300 aaaccgaaag aagacaaaga atgggaaaaa ttcaaagtta aacatatcac ttctcagtct        60
302 gttgctgact tcaactgcac ttctactatg aacaacccgg acttcactcc ggacggtcag       120
304 tgcaaaccga tcaacacttt catccattct aacactggtc cggttaaaga aatctgccgt       180
306 cgtgcttctg gtcgtgttaa caaatcttct actcagcagt tcccgctgac tacttgcaaa       240
```

```
308 aacccgaaac gttgcaaata ctctcagtct aacgaaacta actacatctg catcacttgc     300
310 cgtgacaact acccggttca tttcgttaaa atcggtaaat gc                        342
313 <210> SEQ ID NO: 19
314 <211> LENGTH: 56
315 <212> TYPE: DNA
316 <213> ORGANISM: Artificial
318 <220> FEATURE:
319 <223> OTHER INFORMATION: SEQ ID NO:19
321 <400> SEQUENCE: 19
322 taattttgtt taactttaag aaggagatat accatgaaac cgaaagaaga caaaga          56
325 <210> SEQ ID NO: 20
326 <211> LENGTH: 63
327 <212> TYPE: DNA
328 <213> ORGANISM: Artificial
330 <220> FEATURE:
331 <223> OTHER INFORMATION: SEQ ID NO:20 Complementary to SEQ ID NO:19
333 <400> SEQUENCE: 20
334 ttcccattct ttgtcttctt tcggtttcat ggtatatctc cttcttaaag ttaaacaaaa      60
336 tta                                                                   63
339 <210> SEQ ID NO: 21
340 <211> LENGTH: 57
341 <212> TYPE: DNA
342 <213> ORGANISM: Artificial
344 <220> FEATURE:
345 <223> OTHER INFORMATION: SEQ ID NO:21
347 <400> SEQUENCE: 21
348 atgggaaaaa ttcaaagtta aacatatcac ttctcagtct gttgctgact tcaactg         57
351 <210> SEQ ID NO: 22
352 <211> LENGTH: 57
353 <212> TYPE: DNA
354 <213> ORGANISM: Artificial
356 <220> FEATURE:
357 <223> OTHER INFORMATION: SEQ ID NO:22 Complementary to SEQ ID NO:21
359 <400> SEQUENCE: 22
360 agaagtgcag ttgaagtcag caacagactg agaagtgata tgtttaactt tgaattt         57
363 <210> SEQ ID NO: 23
364 <211> LENGTH: 60
365 <212> TYPE: DNA
366 <213> ORGANISM: Artificial
368 <220> FEATURE:
369 <223> OTHER INFORMATION: SEQ ID NO:23
371 <400> SEQUENCE: 23
372 cacttctact atgaacaacc cggacttcac tccggacggt cagtgcaaac cgatcaacac      60
375 <210> SEQ ID NO: 24
376 <211> LENGTH: 60
377 <212> TYPE: DNA
378 <213> ORGANISM: Artificial
380 <220> FEATURE:
381 <223> OTHER INFORMATION: SEQ ID NO:24 Complementary to SEQ ID NO:23
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Please correct these types of errors in subsequent sequences

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 08/05/2003
PATENT APPLICATION: **US/10/621,741**   TIME: 14:22:33

Input Set : **A:\5016 US Saxena 17 Jul 2003.txt**
Output Set: **N:\CRF4\08052003\J621741.raw**

<u>Invalid <213> Response:</u>
Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27
Seq#:28,29,30,31,32,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52
Seq#:53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72,73,74

VERIFICATION SUMMARY   DATE: 08/05/2003
PATENT APPLICATION: US/10/621,741   TIME: 14:22:33

Input Set : A:\5016 US Saxena 17 Jul 2003.txt
Output Set: N:\CRF4\08052003\J621741.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date